Thus the loss of combustible value which is called into being by the reciprocal attack of the constituents of the gas on one another is not very important, in the cases cited by Ledebur and Mayer, in respect of the combustible value per cubic metre, and is, however, diminished in respect of the gas resulting from the unit of weight. One may thus well assume that in well-manufactured producer gases this loss will be still smaller, and, therefore, less important. Therefore one will seek to feasibly avoid the presence of greater amounts of H20 vapour in the gas, and likewise strive to obtain only a medium content of hydrocarbons. This would again further indicate that one can improve too strongly caking coals by means of an addition of lean fuel, since there is no object in manufacturing gas with high hydrocarbon content, if this gas is ultimately decomposed in the regenerator chambers before its entry into the combustion chamber of the furnace.